PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	pplicant's or agent's file reference FOR FURTHER ACTION See Form PCT/IPEA/416		
L00905-1 WO			
International application No.	International filing date (day/month/year	-	
PCT/SE 2004/000487	30.03.2004	31.03.2003	
International Patent Classification (IPC) o			
C07D 213/30, A61K 31/	44, A61P 29/00		
Applicant			
AstraZeneca AB et al			
This report is the international pre-	eliminary examination report, established	by this International Preliminary Examining	
Authority under Article 35 and tr	ransmitted to the applicant according to Ar	rticle 36.	
2. This REPORT consists of a total	of 5 sheets, including this	cover sheet.	
3. This report is also accompanied b	y ANNEXES, comprising:		
a. (sent to the applicant	t and to the International Bureau) a total c	of sheets, as follows:	
sheets of the	description, claims and/or drawings which	h have been amended and are the basis of this report	
	containing rectifications authorized by the ve Instructions).	is Authority (see Rule 70.16 and Section 607 of the	
sheets which	supersede earlier sheets, but which this A	authority considers contain an amendment that goes	
beyond the d		as filed, as indicated in item 4 of Box No. I and the	
b. (sent to the Internati	onal Bureau only) a total of (indicate type	isting and/or tables related thereto, in computer	
	as indicated in the Supplemental Box Rela	ating to Sequence Listing (see Section 802 of the	
Administrative Instr	uctions).		
4. This report contains indications r	_		
Box No. I Basis of	of the report		
Box No. II Priorit	у		
Box No. III Non-ea	stablishment of opinion with regard to no	velty, inventive step and industrial applicability	
Box No. IV Lack of	of unity of invention		
Box No. V Reason	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
Box No. VI Certain documents cited			
Box No. VII Certain defects in the international application			
Box No. VIII Certain observations on the international application			
Date of submission of the demand	Date of comp	oletion of this report	
		00 04 0005	
06.10.2004		08.04.2005	
Name and mailing address of the IPEA/s Patent- och registreringsverke		nncer	
Box 5055			
S-102 42 STOCKHOLM Facsimile No. +46 8 667 72 88		Eva Johansson/MP Telephone No. +46 8 782 25 00	

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

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Box	No. I	Basis of the report
1.	otherw	egard to the language, this report is based on the international application in the language in which it was filed, unless ise indicated under this item.
		This report is based on a translation from the original language into the following language which is the language of a translation furnished for the purposes of:
		international search (under Rules 12.3 and 23.1(b))
		publication of the international application (under Rule 12.4)
		international preliminary examination (under Rules 55.2 and/or 55.3)
2.	furnish	regard to the elements of the international application, this report is based on (replacement sheets which have been need to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" to not annexed to this report):
	\boxtimes	the international application as originally filed/furnished
		the description:
		pages as originally filed/furnished
		pages* received by this Authority on received by this Authority on
	Ш	the claims: pages as originally filed/furnished
		pages as originally fried/furnished pages* as amended (together with any statement) under Article 19
		pages* received by this Authority on
		pages* received by this Authority on
		the drawings:
		pages as originally filed/furnished
		pages* received by this Authority on
		pages* received by this Authority on
		a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.
3.		The amendments have resulted in the cancellation of:
•		the description, pages
		the claims, Nos.
		the drawings, sheets/figs
		the sequence listing (specify):
		any table(s) related to the sequence listing (specify):
4.		This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
		the description, pages
Ì		the claims, Nos.
		the drawings, sheets/figs
		the sequence listing (specify):
		any table(s) related to the sequence listing (specify):
*	If iten	n 4 applies, some or all of those sheets may be marked "superseded."

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Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
The questions vapplicable have	whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially e not been examined in respect of:
the er	ntire international application
Claim	ns Nos. 13, 14
because:	
the sa	aid international application, or the said claims Nos. 13, 14 e to the following subject matter which does not require an international preliminary examination (specify):
	TRule 67.1.(iv).: Methods for treatment of the human or body by surgery or therapy, as well as diagnostic ls.
the d	description, claims or drawings (indicate particular elements below) or said claims Nos
	claims, or said claims Nos are so inadequately supported he description that no meaningful opinion could be formed.
no ii	nternational search report has been established for said claims Nos.
the r	nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the ninistrative Instructions in that:
	written form has not been furnished
	does not comply with the standard
the	computer readable form has not been furnished
	does not comply with the standard
the the	tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not comply with technical requirements provided for in the Annex C-bis of the Administrative Instructions.
See	Supplemental Box for further details.

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Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims Claims	1-12, 15	YES NO
Inventive step (IS)	Claims Claims	1-12. 15	YES NO
Industrial applicability (IA)	Claims Claims	1-12. 15	YES NO

2. Citations and explanations (Rule 70.7)

The claimed invention relates to novel 6-substituted 2-aminopyridine derivates for the treatment or prophylaxis of human diseases or conditions in which inhibition of nitric oxide synthase activity is beneficial especially inflammatory diseases, a process for their preparation and compositions containing them.

The following documents are cited in the search report:

D1 WO 9618617 A1

D2 WO 9618616 A1

D3 US 4590167 A1

D4 STN International, File CAPLUS, CAPLUS accession no. 1980:18197, Document no. 92:18197

D1 is regarded as being the closest prior art to the subjectmatter of claim 1-12 and 15 and discloses substituted 2acylamino-pyridines as inhibitors of nitric oxide synthase. The claimed compounds differ structurally from the known compounds.

Thus, the cited documents represent the general state of the art.

The invention defined in claims 1-12 and 15 is not disclosed by any of these documents.

The cited prior art does not give any indication that would lead a person skilled in the art to the claimed compounds as inhibitors of nitric oxide synthase.

Therefore, the claimed invention is not obvious to a person

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Supplemental Box

In case the space in any of the preceding boxes is not sufficient. Continuation of: $Box\ V$

skilled in the art.

Consequently, the cited documents only disclose the general state of the art, and are not considered to be of particular relevance.

Accordingly, the invention defined in claims 1-12 and 15 is novel and is considered to involve an inventive step. The invention is industrially applicable.